1st & part Bill

Job code - 006-23-000001

M. A. R. 57 (Rule 116)
Measurement Book

No. E Est Cost :- 1000.00 Lakhs

628001

Serial No. .....

Name of work PACKAGE NO1 (consists of 5 work(s) Improvements to Roads & Drains at MCEHS layout- 1st & 2nd phase, Sampigehalli Kanahalli Balaji Krupa layout - Basavalingappa Nagara Central Excise layout Bellahalli & Kathigenahalli in ward No 05 & Cauvery Nagara & Shirdi Sai Nagara in Ward No- 6 & Surrounding area in Byatarayanapura Division (Package -01)

Name of Contractor of nature of Agency. Work order No: BBMP/EE/BTP/WO/50/22-23 Dt 22/12/2022

Name of Contractor: A. G. Narayanaswamy. & Co Sri A. G. Narayanaswamy.

Date commencement of work.

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) Earthwork Excavation by manual means for drains canals waste weir Such Similar work in all kinds of Soil as per drawings & Technical Specification including Setting out- shoring Strutting. baricading						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	caution lights removal of stumps & other deleterious matters etc complete						
	@ Rate 321.40/m³				Qty	1819.26 m³	= 584710=00
	up to 12 c.m.				Qty	454.82 m³	
	@ Rate 321.40/m³						= 146179=00
	Above 12 c.m.				Qty.	259.6 cm²	
	@ Rate 321.39/m³						= 83449=00
②	Removing & Resetting of Foot path slab & pointing in C.M (1:3)				Qty.	963.08 m²	
	@ Rate 225.80/m²						= 217463=00

M. A. R. 57 (Rule 116) No. E 628002
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
③	Providing B.S slabs of selected quality roughly dressed having size of 15 cms thick & fixing in C.M (1:6) including curing etc complete.						
	@ Rate 804.40/m²				Qty	1238.15 m²	= 995967=86
④	Providing & laying in position P.C.C of mix 1:3:6 (M10) for levelling course for all works in foundation using 40m.m nominal size graded crushed coarse aggregates & fine aggregates mix mixed laid in layers not exceeding 150m.m thick well compacted curing etc complete.						

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MEASUREMENT BOOK

Date	Full description, etc., of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Qty - 93.56 m²	
			Upto 12.5%			@ Rate 6080.20/m² = 568868=00	
						Qty - 23.39 m²	
			Above 12.5%			@ Rate 6080.20/m² = 142215=00	
						Qty - 13.97 m²	
						@ Rate 6081.07/m² = 84953=00	
	(5) Providing & laying in position R.C.C for all Substructure of building irrigation works Substructure works, The granite/basalt crushes graded coarse & fine aggre - gates mic mixed with plasticizer laid in layers well compacted curing etc complete						

M. A. R. 57 (Rule 116)
Measurement Book

No. E 628003

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc., of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Qty - 228.32 m³	
						@ Rate 6943.20/m³ = 1585271=00	
			Upto 12.5%			Qty - 24.03 m³	
						@ Rate 6943.20/m³ = 166845=00	
	(6) Supplying Fitting & placing Un-Coated TMT bar Reinforcement in Sub structure etc complete						
						Qty - 15.03 m³	
						@ Rate 109229.10/Ton = 1641713=00	
			Upto 12.5%			Qty - 1.43 Ton	
						@ Rate 109229.10/Ton = 156797=00	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(7)	providing & Fixing pre cast covering Slab made out of C.C 1:2:4 with 10 c.m. thick made out of mix with 20 m.m & down size grades curshed fine aggregate including providing & removing of shuttering curing etc complete					Qty- 493.92 m²	
						@ Late 1991.20/m² = 983493 =	
				upto 12 c.m.		Q 60.42 m²	
						@ Late 1991.20/m² = 120308 =	
(8)	providing & fixing 220 m.m thick pre cast covering Slab made out of C.C 1:1.5:3 & fully zonal down size with steel reinforcement including form work curing etc complete.						

M. A. R. 57 (Rule 116) No. E
Measurement Book 628004

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
				@ Late 4840.60/m²		Qty- 115.30 m²	
			upto 12 c.m.			= 557637 =	
				@ Late 4840.60/m²		Qty 28.80 m²	
						= 139409 =	
			Above 12 c.m.			120.48/m²	
				@ Rate 4841.06/m²		= 583250 =	
(9)	Removing & refixing Stone Slabs of drain & pointing in C.M (1:3)						
				@ Rate 107/m²		Qty- 2849.21 m²	
						= 304876 =	
			upto 12 c.m.			Qty 39.71 m²	
				@ Rate 107/m²		= 4248 =	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(10)	Earth work in Surface Excavation by machanical means for lowering & leveling the ground for all works other than foundation in all kinds of soil & upto depth not exceeding 300m.m including setting out shoring strutting baricading caution lights removal of stumps & other obstructions matter including dressing of excavated surface etc complete						
						Qty - 6196.00 m^3	
						@ Rate 274.80/m^3 = 1702660=00	1702770.72
(11)	providing laying Spreading & compacting graded stone aggregates to wet mix macadam including premixing the materials with water						

M. A. R. 57 (Rule 116) No. E
Measurement Book
628005

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	at OMC in machanical mix plant carriage of Mixed materials by tipper to site						
						Qty - 5409.76 m^3	
						@ Rate 253.70/m^3 = 1369480=00	
(12)	providing & applying primer coat - with SSI grade Bitumen Emulsion on prepared Surface granular base including cleaning of road surface & spying primer at the rate of 0.90 kg/m^2 using machanical means, etc complete						
						Qty - 23310.10 m^2	
						@ Rate 46.50/m^2 = 1083979=50	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(13) providing & applying primer Coat- SSI grade Bitumen Emulsion pressur distributer at the rate of 0.20 kg/m² on the prepared bitumenous surface etc complete.					Qty - 22818.90 m²	
	@ Rate 12.70/m²					= 289800.03	
	(14) providing & laying Dense Graded Bituminous Macadam with 40/60 TPH using crushed aggregate of specified grading premixed with Bituminous Binder VG-30 @ 4.5 percent by weight of total mix filler ransporting the						

M. A. R. 57 (Rule 116)
Measurement Book

No. E 628006

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	hot mix to work site laying with mechanical paver finisher to the required grading etc Compleate					Qty - 935.35 m³	
	@ Rate 10452.70/m³					= 9746507 = 07	
	(15) providing & laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading premixed with bituminous binder VG-30 @ 5.4 percent of mix & filler transporting the hot mix to work site etc Compleate						
	@ Rate 12189.40/m³					Qty - 1097.77 m³	
						= 13381158 = 00	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(16)	Road marking with Hot Applied Thermoplastic Compound with Retroreflecting Glass Beads on Bituminous surface providing & laying hot applied Thermoplastic compound 2.5 m.m thickness including reflectorising glass beads @ 250 g/m² area Thickness 2.5 m.m is exclusive of surface etc complete @ Rate 505.30/m²					Qty - 913.8 m² = 461783 = 56	
(17)	providing & laying in position P.C.C for Levelling course for all works in foundation in granite/ trap/basalt- Comprises graded coarse & fine aggregates MIC mixes laid in in layers not						

M. A. R. 57 (Rule 116) No. E
Measurement Book

628007

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	exceeding 150 m.m thickness well compacted using plate vibrators including all leads & lift charges etc complete @ Rate 5260.10/m³					Qty - 564.52 m³ = 2969432 = r	
(18)	providing & constructing un-reinforced P.C.C pavement thickness as per design over a prepar sub base with coarse & fine aggregates max 40 & 25 m.m mixed in a concrete mixer of						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	not less than 0.2 m³ capacity & appropriate weight batcher using approved mix design laid in approved timber side formwork, spreading the concrete with shovels, tamped using needle screeds & plate vibrators & finish etc complete						
	@ Rate 7227.40/m³					Qty - 870.09 m³	
						= 6288488=00	
(19)	Cost of Haulage Excluding loading & Unloading. Taking output 1st lead + lead 10 km = 180 + 1km					Qty - 11174.56 T-km	
	@ Rate 101.50/T.km					= 1134217=84	

M. A. R. 57 (Rule 116) No. E

Measurement Book

628008

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	3/5/23	59815609.95				Totally -	59815498
		10766809.67					10766790
		7058418.92				Grand Total by	70582288
	Round off..	70582000.00					
	(1) It is certified that the above works done satisfactorially						
	(2) Above Bill amount has not been claimed on previous Bills.						

A.G. Murthy contractor 3/5/23

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1		3	4	5	6	7	8

L-153.30m
L-77.0
L-96.00
L-93.80
L-64.0
L-57.0
L-23.8
1st B CH
L-69.80
2nd B CH
L-70.50
2nd B CH
L-52.35
4th B CH
L-171.45
5th B CH
L-173.80
6th B CH
L-197.50
1st A CH
L-63.10
2nd CH
L-64.50
2nd CH
L-61.05
L-60.0m
L-63.70
L-63.70
L-63.70
L-57.10m
L-94.9
31/5/23

Asphalt Road
Desilting
RCC Drain

Basavalingappa Nagara.

M. A. R. 57 (Rule 116) No. E
Measurement Book

628009

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1		3	4	5	6	7	8

Sai layout
L-110.80m
BSF STF Layout.
Duvvada Nagara
L-32.45m
L-119.20m
Baglur main Road
21/12
L-99.55
Umayalca Nagara
L-54.0m
L-131.90
Shivapura
L-97.75
L-122.75
L-132.7
Manjunatha Layout
L-123.75m
Ichempunagara

Asphalt Road
Desilting & Drain
C.C. Road.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Culvert Granaboli						
	L-123.0m						
	L-49.20						
	L-69.20m						
	L-24.5						
	L-34.4						
	L-23.8						
	L-69.80						
	L-27.9						
	L-25.30						
	L-15.10						
	L-115.10m						
	L-12						
	L-94.00						
	L-50.3m						
3/4/23							

L-53.4 L-339.20m

L-780.0m Near Reva College

Broadth Enclosure

Culvert Layout

Asphalt Road — RCC Culvert — RCC Drain — CC Drain

MCHS layout

L-744.3m

M. A. R. 57 (Rule 116)
Measurement Book

No. E

628010

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Talicur Road						
	Jalicur – Thanisandra Road						
	RCC Drain						
	CC. Drain						
	Telicom layout						
	L-50m						
	L-65.00m						
2/5/23							

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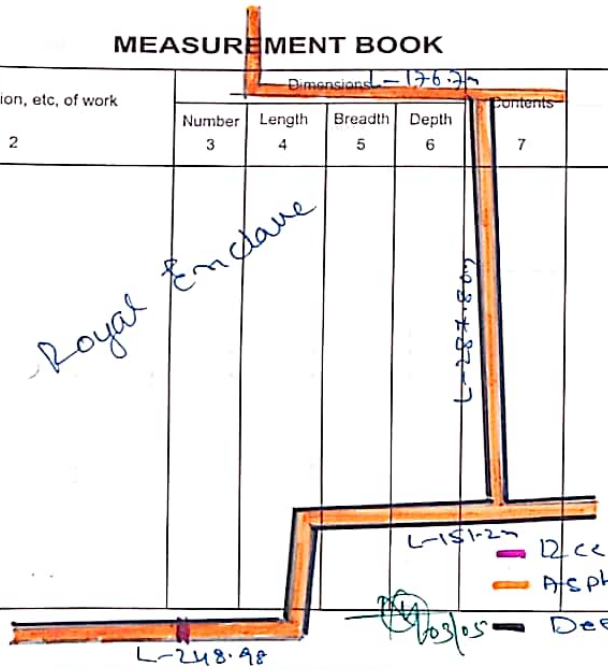
MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8

Royal Enclave



31/7/23

31/7/23

1st & part

M. A. R. 57 (Rule 116) No. E
Measurement Book

628011

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	P3877 2	3	4	5	6	7	8
	ಲೆಕ್ಕಶೀರ್ಷಿಕೆ Amruth Nagarthana ರದಿ			TTB	70582000.00		1st & part
	ಬಜ್ಜು ಮೊಬಲಗು ರೂ 70582000/- ಅನ್ನು ಖರ್ಚು ಮಾಡಿದೆ			IT	1411640.00		
	ಇದರಲ್ಲಿ ರೂ. 4182000/- ಬೇಸ್ಕ್ ಜೊಂಪಾಣಿಕೆ			CGST	598153.00		
	ಮೊಬಲಗು ರೂ. 66400000/- ಗಳನ್ನು			SGST	598153.00		
	FT/NEFT/RTGS ಮೂಲಕ ಪಾವತಿ			Cess	705820.00		
	ದಿನಾಂಕ 31/5/23			CSF	70582.00		
	ನಿರ್ವಾಹಕರು ಎಂಜಿನಿಯರು ಡ್ಯಾಡರಾಯನಪುರ ವಿಭಾಗ ಬೃಹತ್ ಬೆಂಗಳೂರು			LR	797652.00		
	ಅಧೀಕ್ಷಕ ಅಭಿಯಂತರರು ಬೃಹತ್ ಬೆಂಗಳೂರು ವೃತ್ತ ಬೃಹತ್ ಬೆಂಗಳೂರು			DLD	4182000.00		
				Net Total	66400000.00		

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